



Day : Tuesday  
Date: 9/30/2003

Time: 09:44:34

## Inventor Name Search

Enter the first few letters of the Inventor's Last Name.  
Additionally, enter the first few letters of the Inventor's First name.

**Last Name**

**First Name**

Harrington

John

Search

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND</i>			
<u>L18</u>	L17 and (gene adj trap)	33	<u>L18</u>
<u>L17</u>	Zambrowicz-Brian.in.	67	<u>L17</u>
<u>L16</u>	L15 and (selective adj marker)	5	<u>L16</u>
<u>L15</u>	L14 or L11	123	<u>L15</u>
<u>L14</u>	L13 not L11	27	<u>L14</u>
<u>L13</u>	L12 and L6	65	<u>L13</u>
<u>L12</u>	(poly adj A) same (no or lack or without or absence)	5010	<u>L12</u>
<u>L11</u>	L10 and L6	96	<u>L11</u>
<u>L10</u>	(polyadenylation) same (no or lack or without or absence)	7145	<u>L10</u>
<u>L9</u>	(poly(A) adj trap) and L6	9	<u>L9</u>
<u>L8</u>	L5 and (exon adj trap)	8	<u>L8</u>
<u>L7</u>	L6 and L5	13	<u>L7</u>
<u>L6</u>	(unpaired) same (splice donor)	279	<u>L6</u>
<u>L5</u>	(non-homologous adj recombination)	560	<u>L5</u>
<u>L4</u>	L3 not L2	1	<u>L4</u>
<u>L3</u>	(non-targeted adj activation)	10	<u>L3</u>
<u>L2</u>	L1 and (non-targeted adj activation)	9	<u>L2</u>
<u>L1</u>	Harrington-john-J\$.in.	25	<u>L1</u>

END OF SEARCH HISTORY

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSS?

### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

Dialog level 03.02.02D

Last logoff: 23sep03 10:50:22

Logon file001 30sep03 08:28:17

\*\*\* ANNOUNCEMENT \*\*\*

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--File 654 - US published applications from March 15, 2001 to the present are now online. Please see HELP NEWS 654 for details.

\*\*\*

--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

\*\*\*

\*\*\*

--File 990 - NewsRoom now contains February 2003 to current records.  
File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest months's records roll out of File 990 and into File 992 on the first weekend of each month.  
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.

\*\*\*

--Connect Time joins DialUnits as pricing options on Dialog.  
See HELP CONNECT for information.

\*\*\*

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--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

\*\*\*

--Important news for public and academic libraries. See HELP LIBRARY for more information.

\*\*\*

--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*

NEW FILES RELEASED

\*\*\*World News Connection (File 985)

\*\*\*Dialog NewsRoom - 2003 Archive (File 992)

\*\*\*TRADEMARKSCAN-Czech Republic (File 680)

\*\*\*TRADEMARKSCAN-Hungary (File 681)

\*\*\*TRADEMARKSCAN-Poland (File 682)

\*\*\*

UPDATING RESUMED

\*\*\*

RELOADED

\*\*\*Population Demographics -(File 581)

\*\*\*CLAIMS Citation (Files 220-222)

REMOVED

\*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<

\*\*\*\*\*

KWIC is set to 50.  
HIGHLIGHT set on as '\*'

File 1:ERIC 1966-2003/Sep 25  
(c) format only 2003 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits

?b 155, 159, 5, 73

30sep03 08:28:58 User259876 Session D551.1

\$0.32 0.092 DialUnits File1

\$0.32 Estimated cost File1

\$0.15 TELNET

\$0.47 Estimated cost this search

\$0.47 Estimated total session cost 0.092 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2003/Sep W4

(c) format only 2003 The Dialog Corp.

**\*File 155: Medline has been reloaded and accession numbers have  
changed. Please see HELP NEWS 155.**

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog Corporation

**\*File 159: Cancerlit ceases updating with immediate effect.  
Please see HELP NEWS.**

File 5:Biosis Previews(R) 1969-2003/Sep W3

(c) 2003 BIOSIS

File 73:EMBASE 1974-2003/Sep W3

(c) 2003 Elsevier Science B.V.

Set	Items	Description
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?s (exon (w) trapping) or (exon (w) trap)

101888 EXON

39226 TRAPPING

649 EXON(W) TRAPPING

101888 EXON

41262 TRAP

52 EXON(W) TRAP

S1 687 (EXON (W) TRAPPING) OR (EXON (W) TRAP)

?s s1 and (splice (w) donor)

687 S1

37047 SPLICE

241719 DONOR

3268 SPLICE(W) DONOR

S2 18 S1 AND (SPLICE (W) DONOR)

?rd s2

...completed examining records

S3 6 RD S2 (unique items)

?t s3/3,k/all

3/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2003 The Dialog Corp. All rts. reserv.

11922426 99365991 PMID: 10436938

**Vertebrate \*exon\* \*trapping\* methods: implications for transcript mapping  
with mosquito DNA.**

Brown S E; Wood S H; Knudson D L

Department of Bioagricultural Sciences and Pest Management, College of

Agricultural Sciences, Colorado State University, Fort Collins 80523, USA.  
Insect biochemistry and molecular biology (ENGLAND) Jul 1999, 29 (7)  
p643-51, ISSN 0965-1748 Journal Code: 9207282  
Contract/Grant No.: AI34337; AI; NIAID  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

**Vertebrate \*exon\* \*trapping\* methods: implications for transcript mapping with mosquito DNA.**

\*Exon\* \*trapping\* methods have played an important role in the development of transcript maps. In one in vivo vertebrate method, exons in a genomic DNA clone are...

... only requirement is that the genomic DNA clone contains exons separated by intervening introns that are removed by splicing during mRNA transcription and that the \*splice\* \*donor\* and acceptor site sequences follow those used by vertebrates. It is not known whether invertebrate \*splice\* \*donor\* and acceptor sites from genes that contain short introns will be processed correctly using an in vivo vertebrate \*exon\* \*trapping\* method. In this report, an analysis of mosquito splice sites using software designed to identify exons in genomic DNA sequence suggested that the vertebrate \*exon\* \*trapping\* method could recognize mosquito introns and exons. When a mosquito genomic DNA clone containing the D7 gene was tested experimentally, this method failed to recognize...

3/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
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11882391 99324218 PMID: 10393977

**Structure of tau exon 10 splicing regulatory element RNA and destabilization by mutations of frontotemporal dementia and parkinsonism linked to chromosome 17.**

Varani L; Hasegawa M; Spillantini M G; Smith M J; Murrell J R; Ghetti B; Klug A; Goedert M; Varani G

Medical Research Council Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, United Kingdom.

Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Jul 6 1999, 96 (14) p8229-34, ISSN 0027-8424  
Journal Code: 7505876

Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

...structure predictions have led to the proposal that intronic mutations and one missense mutation destabilize a putative RNA stem-loop structure located close to the \*splice\*--\*donor\* site of the intron after exon 10. We have determined the three-dimensional structure of this tau exon 10 splicing regulatory element RNA by NMR...

... folded stem-loop structure whose thermodynamic stability is reduced by frontotemporal dementia and parkinsonism linked to chromosome 17 mutations and increased by compensatory mutations. By \*exon\* \*trapping\*, the reduction in thermodynamic stability is correlated with increased splicing in of exon 10.

3/3,K/3 (Item 3 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2003 The Dialog Corp. All rts. reserv.

11458074 98341334 PMID: 9665819

**Analysis of transcripts derived from sequences upstream of the bidirectional mouse thymidylate synthase promoter.**

Lee T X; Johnson L F  
Department of Molecular Genetics, Ohio State University, Columbus 43210,  
USA.

Experimental cell research (UNITED STATES) Jul 10 1998, 242 (1)  
p222-7, ISSN 0014-4827 Journal Code: 0373226  
Contract/Grant No.: GM29356; GM; NIGMS; P30 CA16058; CA; NCI  
Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

...abundant in a cell line in which the TS gene is amplified. S1 nuclease protection assays showed that the transcripts have multiple 5' termini. An \*exon\* \*trap\* approach identified a potential \*splice\* \*donor\* site that might correspond to the 3' end of the first exon of the upstream gene. A cDNA library was probed with a sequence from...

3/3,K/4 (Item 4 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2003 The Dialog Corp. All rts. reserv.

08950228 20239730 PMID: 10775534

**Progressive supranuclear palsy pathology caused by a novel silent mutation in exon 10 of the tau gene: expansion of the disease phenotype caused by tau gene mutations.**

Stanford P M; Halliday G M; Brooks W S; Kwok J B; Storey C E; Creasey H; Morris J G; Fulham M J; Schofield P R

Garvan Institute of Medical Research, Sydney, Prince of Wales Medical Research Institute, Randwick, Australia.

Brain; a journal of neurology (ENGLAND) May 2000, 123 ( Pt 5) p880-93  
, ISSN 0006-8950 Journal Code: 0372537

Comment in Brain. 2000 May;123 ( Pt 5) 857-9; Comment in PMID 10775532;  
Comment in Brain. 2001 Aug;124(Pt 8):1666-70; Comment in PMID 11459757

Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

... palsy and falls. The mutation is located in exon 10 of the tau gene and forms part of a stem-loop structure at the 5' \*splice\* \*donor\* site. Although the mutation does not give rise to an amino acid change in the tau protein, functional \*exon\*-\*trapping\* experiments show that it results in a significant 4.8-fold increase in the splicing of exon 10, resulting in the presence of tau containing...

3/3,K/5 (Item 5 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2003 The Dialog Corp. All rts. reserv.

08335213 95023183 PMID: 7937140

**Specific isolation of 3'-terminal exons of human genes by \*exon\* \*trapping\*.**

Datson N A; Duyk G M; Van Ommen J B; Den Dunnen J T

Department of Human Genetics, Leiden University, The Netherlands.

Nucleic acids research (ENGLAND) Oct 11 1994, 22 (20) p4148-53,  
ISSN 0305-1048 Journal Code: 0411011

Document type: Journal Article  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

**Specific isolation of 3'-terminal exons of human genes by \*exon\* \*trapping\*.**

\*Exon\* \*trapping\* is a method to functionally clone expressed sequences from genomic DNA. We have previously developed the vector system pETV-SD2,

which contains only a \*splice\* \*donor\* site (SD) followed by a LacZ gene, allowing trapping of internal exons of human genes by blue-white selection. We now describe the adaptation of...

... in a strong signal from amplified 3' exons in addition to a great reduction of non-specific background. As a test for the system, 3' \*exon\* \*trapping\* was performed using a cosmid containing the alpha-globin gene cluster on chromosome 16. The 3'-terminal exons of the human alpha 1-, zeta 2...

... region of the alpha 1-globin gene. This exon appears to belong to a previously unidentified gene within the alpha-globin gene cluster. This 3' \*exon\* \*trapping\* strategy should facilitate the cloning of genes from large genomic regions.

3/3,K/6 (Item 6 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
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08243933 94309890 PMID: 8036002

**Exon amplification from complete libraries of genomic DNA using a novel phage vector with automatic plasmid excision facility: application to the mouse neurofibromatosis-1 locus.**

Nehls M; Pfeifer D; Boehm T

Department of Medicine 1, University of Freiburg, Germany.

Oncogene (ENGLAND) Aug 1994, 9 (8) p2169-75, ISSN 0950-9232

Journal Code: 8711562

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... chromosomal lesions found in tumours is an essential step in the identification of new oncogenes. Here, we describe a lambda phage vector system for genomic \*exon\*-\*trapping\* (lambda GET), which dramatically simplifies the task of exon amplification from genomic DNA. The vector accommodates about 6.5 to 19 kb of DNA and allows inserts to be automatically subcloned as multi-copy plasmids containing \*splice\* \*donor\* and acceptor sites positioned flanking the inserted genomic DNA. RNA transcripts derived from such plasmids are processed in vivo and exons contained within the inserted...

?ds

Set	Items	Description
S1	687	(EXON (W) TRAPPING) OR (EXON (W) TRAP)
S2	18	S1 AND (SPLICE (W) DONOR)
S3	6	RD S2 (unique items)
?s (negative (w)		selectable (w) marker) and (positive (w) selective (w) marker)
	1163595	NEGATIVE
	8690	SELECTABLE
	428901	MARKER
	84	NEGATIVE (W) SELECTABLE (W) MARKER
	1604039	POSITIVE
	598721	SELECTIVE
	428901	MARKER
	4	POSITIVE (W) SELECTIVE (W) MARKER
S4	3	(NEGATIVE (W) SELECTABLE (W) MARKER) AND (POSITIVE (W) SELECTIVE (W) MARKER)
?s s1 and s4		
	687	S1
	3	S4
S5	0	S1 AND S4
?s s1 and (gene (w) activation)		
	687	S1
	2316807	GENE
	1278108	ACTIVATION

21219 GENE(W)ACTIVATION  
S6 3 S1 AND (GENE (W) ACTIVATION)

?rd

...completed examining records

S7 3 RD (unique items)

?t s7/3,k/all

7/3,K/1 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2003 Elsevier Science B.V. All rts. reserv.

10594703 EMBASE No: 2000061257

**BCAR1, a human homologue of the adapter protein p130Cas, and antiestrogen resistance in breast cancer cells**

Brinkman A.; Van der Flier S.; Kok E.M.; Dorssers L.C.J.

Dr. A. Brinkman, Department of Pathology, Josephine Nefkens Institute, University Hospital Rotterdam, P.O. Box 1738, 3000 DR Rotterdam Netherlands

AUTHOR EMAIL: brinkman@bidh.azr.nl

Journal of the National Cancer Institute ( J. NATL. CANCER INST. ) ( United Kingdom) 19 JAN 2000, 92/2 (112-120)

CODEN: JNCIA ISSN: 0027-8874

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 85

...1 cells by cell fusion conferred an antiestrogen-resistant phenotype on the recipient cells. The complete coding sequence of BCAR1 was isolated by use of \*exon\*-trapping\* and complementary DNA (cDNA) library screening. Sequence analysis of human BCAR1 cDNA predicted a protein of 870 amino acids that was strongly homologous to rat...

**MEDICAL DESCRIPTORS:**

drug efficacy; metastasis; sequence homology; gene location; gene overexpression; promoter region; \*gene\* \*activation\*; cancer growth; hormonal regulation; human; female; controlled study; human cell; article; priority journal

7/3,K/2 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2003 Elsevier Science B.V. All rts. reserv.

07841000 EMBASE No: 1999084180

**Spectrum of transforming sequences detected by tumorigenicity assay in a large series of human neoplasms**

Janssen J.W.G.; Braunger J.; Ballas K.; Faust M.; Siebers U.;

Steenvoorden A.C.M.; Bartram C.R.

J.W.G. Janssen, Institut fuer Humangenetik, Ruprecht-Karls-Univ.

Heidelberg, Im Neuenheimer Feld 328, D-69120 Heidelberg Germany

International Journal of Cancer ( INT. J. CANCER ) (United States) 15 MAR 1999, 80/6 (857-862)

CODEN: IJCNA ISSN: 0020-7136

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 24

...and screened with a human specific repetitive Alu probe. Direct hybridization of a transfectant cDNA library allowed cloning of the ufo oncogene. Application of the \*exon\*-trapping\* technique to alu-positive phage DNA from the other transfectants enabled us to isolate tre, cot, B-raf, p85 beta/HUMORF8 and a novel oncogene.

**MEDICAL DESCRIPTORS:**

DNA sequence; cancer cell culture; leukemogenesis; stomach carcinogenesis; bladder carcinogenesis; carcinogenesis; clonogenic assay; \*gene\* \*activation\*; oncogene ras; gene isolation; DNA determination; sequence homology; sequence analysis; human; controlled study; human cell; article; priority journal



7/3,K/3 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2003 Elsevier Science B.V. All rts. reserv.

06920217 EMBASE No: 1997204679

**Cloning and gene mapping of the chromosome 13q14 region deleted in chronic lymphocytic leukemia**

Kalachikov S.; Migliazza A.; Cayanis E.; Fracchiolla N.S.; Bonaldo M.F.; Lawton L.; Jelenc P.; Ye X.; Qu X.; Chien M.; Hauptschein R.; Gaidano G.; Vitolo U.; Saglio G.; Resegotti L.; Brodjansky V.; Yankovsky N.; Zhang P.; Soares M.B.; Russo J.; Edelman I.S.; Efstratiadis A.; Dalla-Favera R.; Fischer S.G.

S. Kalachikov, Columbia Genome Center, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10032 United States

Genomics ( GENOMICS ) (United States) 1997, 42/3 (369-377)

CODEN: GNMCE ISSN: 0888-7543

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 36

...In addition to densely positioned genetic markers and STSS, this map was further annotated by localization of 32 transcribed sequences (ESTs) using a combination of \*exon\* \*trapping\*, direct cDNA selection, sample sequencing of cosmids and PACs, and homology searches. On the basis of these mapping data, allelic loss analyses at 13q14 using...

**MEDICAL DESCRIPTORS:**

article; b lymphocyte; chromosome 13q; chromosome deletion 13; cosmid; exon; \*gene\* \*activation\*; genetic analysis; genetic marker; heterozygosity loss; human; human cell; priority journal; tumor suppressor gene

?ds

Set	Items	Description
S1	687	(EXON (W) TRAPPING) OR (EXON (W) TRAP)
S2	18	S1 AND (SPLICE (W) DONOR)
S3	6	RD S2 (unique items)
S4	3	(NEGATIVE (W) SELECTABLE (W) MARKER) AND (POSITIVE (W) SELECTIVE (W) MARKER)
S5	0	S1 AND S4
S6	3	S1 AND (GENE (W) ACTIVATION)
S7	3	RD (unique items)
?s (genomic (w) clones) same (eukaryotic or promoter)		
>>>Invalid syntax		
?s (genomic (w) clones) (s) (eukaryotic or promoter)		
	218030	GENOMIC
	197923	CLONES
	82045	EUKARYOTIC
	311972	PROMOTER
S8	1623	(GENOMIC (W) CLONES) (S) (EUKARYOTIC OR PROMOTER)
?s s8 not py>1997		
	1623	S8
	8752004	PY>1997
S9	1185	S8 NOT PY>1997

?rd

...examined 50 records (50)  
...examined 50 records (100)  
...examined 50 records (150)  
...examined 50 records (200)  
...examined 50 records (250)  
...examined 50 records (300)  
...examined 50 records (350)  
...examined 50 records (400)  
...examined 50 records (450)  
...examined 50 records (500)  
...examined 50 records (550)

...examined 50 records (600)  
 ...examined 50 records (650)  
 ...examined 50 records (700)  
 ...examined 50 records (750)  
 ...examined 50 records (800)  
 ...examined 50 records (850)  
 ...examined 50 records (900)  
 ...examined 50 records (950)  
 ...examined 50 records (1000)  
 ...examined 50 records (1050)  
 ...examined 50 records (1100)  
 ...examined 50 records (1150)  
 ...completed examining records  
     S10      483   RD (unique items)  
 ?s s10 and (splice (w) donor)  
     483   S10  
     37047   SPLICE  
     241719   DONOR  
     3268   SPLICE(W)DONOR  
     S11      3   S10 AND (SPLICE (W) DONOR)  
 ?t s11/3,k/all

11/3,K/1      (Item 1 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 2003 The Dialog Corp. All rts. reserv.

10618293   96435919   PMID: 8838805  
**Genomic organization of the human beta-catenin gene (CTNNB1).**  
 Nollet F; Berx G; Molemans F; van Roy F  
 Section of Molecular Cell Biology, University of Ghent, Belgium.  
 Genomics (UNITED STATES) Mar 15 1996, 32 (3) p413-24, ISSN  
 0888-7543 Journal Code: 8800135  
 Document type: Journal Article  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: Completed

QHA26.G46

... cadherin and the tumor suppressor gene product APC. We determined the primary structure of the human beta-catenin gene (CTNNB1) by analysis of cDNA and \*genomic\* \*clones\*. The size of the complete gene was determined to be 23.2 kb. Restriction mapping and partial sequence analysis revealed 16 exons. All \*splice\* \*donor\* and acceptor sites were conformable to the GT/AG rule. The exon size ranged from 61 to 790 bp. Half of the introns were smaller...

... containing about 4.7 kb of the 5'-flanking region in addition to the noncoding exon 1 and 1 kb of intron 1, showed clear \*promoter\* activity when these fragments were linked to a secreted alkaline phosphatase reporter gene and transfected into a mouse epithelial cell line.

11/3,K/2      (Item 2 from file: 155)  
 DIALOG(R)File 155:MEDLINE(R)  
 (c) format only 2003 The Dialog Corp. All rts. reserv.

07945399   94010932   PMID: 8406489  
**The structure of the human dihydrolipoamide dehydrogenase gene (DLD) and its upstream elements.**  
 Feigenbaum A S; Robinson B H  
 Department of Genetics, University of Toronto, Ontario, Canada.  
 Genomics (UNITED STATES) Aug 1993, 17 (2) p376-81, ISSN 0888-7543  
 Journal Code: 8800135  
 Document type: Journal Article  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: Completed

... human alpha-ketoacid dehydrogenase complexes, dihydrolipoamide dehydrogenase (DLD), and its upstream elements have been determined by restriction endonuclease mapping and DNA sequence analysis of overlapping \*genomic\* \*clones\*. The gene is approximately 20 kb long. It contains 14 exons ranging in size from 69 to 780 bp and 13 introns ranging in size from 93 bp to 7.0 kb. All \*splice\* \*donor\* and acceptor sites conform to the GT/AG rule. The 5' ends of mRNA transcripts upstream from the translation initiation codon were determined by primer...

... the presumptive cap site and the 5' flanking region has been sequenced up to 2.0 kb upstream. There are several sequences compatible with presumptive \*promoter\* elements, including an Sp1 binding site, a nuclear respiratory factor 1 site, two cyclic AMP response element binding sites, and a possible negative response element present in the insulin \*promoter\*. A 313-bp segment from -2076 to -1763 is 89% homologous to a recently described pTR5 repetitive element found in the human genome.

11/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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06474013 90098830 PMID: 2481264

**Structure and biological activity of the transcriptional initiation sequences of the murine c-myb oncogene.**

Sobieszczuk P W; Gonda T J; Dunn A R

Ludwig Institute for Cancer Research, Melbourne Branch of Tumor Biology, Parkville, Victoria, Australia.

Nucleic acids research (ENGLAND) Dec 11 1989, 17 (23) p9593-611,

ISSN 0305-1048; Journal Code: 0411011

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

QPC20.N8

To study the control mechanism(s) that govern the transcription of c-myb, \*genomic\* \*clones\* corresponding to the 5' region of the murine c-myb gene have been isolated and characterized structurally and functionally. Primer extension and nuclease protection analysis...

... located in a region of the c-myb gene that is G-C rich, contains a number of potential Sp1 binding sites and lacks classical \*promoter\* consensus sequences. Experiments in which well characterized promoters controlling expression of a reporter gene have been replaced by fragments of c-myb DNA (including the observed cap sites) were performed in an attempt to demonstrate \*promoter\* activity in various cell types. It was shown that a region of the c-myb gene (approximately 1.0 kbp upstream from the \*splice\* \*donor\* site of the first exon) contains a weak \*promoter\* that has a low level of transcriptional activity in hemopoietic as well as in fibroblastic cells. These results support the suggestion that c-myb expression...

?ds

Set	Items	Description
S1	687	(EXON (W) TRAPPING) OR (EXON (W) TRAP)
S2	18	S1 AND (SPLICE (W) DONOR)
S3	6	RD S2 (unique items)
S4	3	(NEGATIVE (W) SELECTABLE (W) MARKER) AND (POSITIVE (W) SELECTIVE (W) MARKER)
S5	0	S1 AND S4
S6	3	S1 AND (GENE (W) ACTIVATION)
S7	3	RD (unique items)
S8	1623	(GENOMIC (W) CLONES) (S) (EUKARYOTIC OR PROMOTER)
S9	1185	S8 NOT PY>1997
S10	483	RD (unique items)
S11	3	S10 AND (SPLICE (W) DONOR)

?logoff

30sep03 08:43:46 User259876 Session D551.2

\$4.15 1.298 DialUnits File155  
\$1.89 9 Type(s) in Format 3  
\$1.89 9 Types  
\$6.04 Estimated cost File155  
\$1.22 0.412 DialUnits File159  
\$1.22 Estimated cost File159  
\$8.02 1.432 DialUnits File5  
\$8.02 Estimated cost File5  
\$9.13 0.987 DialUnits File73  
\$7.65 3 Type(s) in Format 3  
\$7.65 3 Types  
\$16.78 Estimated cost File73  
OneSearch, 4 files, 4.129 DialUnits FileOS  
\$3.50 TELNET  
\$35.56 Estimated cost this search  
\$36.03 Estimated total session cost 4.220 DialUnits

### Status: Signed Off. (16 minutes)